

Changes in DoD System Architecture

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Agenda

- DoD's new architecture
 - What is it?
 - How will it be implemented?
 - How does it affect me?
 - What's the current status and what's coming in the near term?

DOD's Major Architecture Initiatives

- Net-Centric architecture
 - All systems (weapon systems, business systems)
- Business Enterprise Architecture (BEA)
 - All business systems

DoD's Net Centric Architecture

- Not a 'new architecture'--more of a refinement of the GIG (Global Information Grid)
 - Service-oriented architecture
 - Key characteristics
 - Internet Protocol
 - Secure and available communications
 - Only handle information once (OHIO)
 - Post in parallel
 - Smart pull (vs. smart push)
 - Data centric
 - Application diversity
 - Assured sharing
 - Quality of service

Enterprise Architecture for Business Systems

- Provide a foundation for strong financial management
- Comply with net-centric architecture guidance
- Reduce redundant systems

DoD Architecture Implementation

- New architecture (both net centric and business systems focus) being implemented as systems are refreshed
- DoD Portfolio Management criteria
 - Ensure compliance with net centric goals
 - Ensure compliance with Enterprise Architecture

Impact of the Net-Centric Architecture

- Net-centric architecture's immediate impacts
 - On new weapon systems
 - In the way requirements and capabilities are defined
 - In procurement methods
 - On existing systems
 - Prepare transition plan to be included FY06 program review
 - How program will address the Net Centric Data Strategy
 - How systems will align with the Reference Model
 - Schedule and budget to implement NCES
 - On business systems
 - In FY06, include information on compliance with Net Centric 'tenets'
 - Only some systems will be examined for compliance

Impact of the Enterprise Architecture

- No direct impact on weapon systems
- Immediate impacts on business systems
 - All new systems must comply with the EA from requirements stage
 - EA impacts on Portfolio Management may cause system changes mid-lifecycle
 - DoD components have less autonomy in selecting, procuring Acquisition systems

Impacts on DoD's Business Partners

- Must be comfortable with new architectural process
 - DODAF (AV, OV, TV, SV.....)
- Must understand new architectural models
 - Net Centric, SOA, etc.
 - Enterprise Architecture, EBPM, Domain-specific
- Be prepared for new 'patterns' of procurement
 - SOS, long downselect, partnering for plug-and-play components